



PATENT ABSTRACTS OF JAPAN

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(71) Applicant: MITSUI PETROCHEM IND LTD

(72) Inventor: ISHIDA TATSUKAZU
HASHIMOTO ISAO

(54) PRODUCTION OF NITROPHENOXYAMINE

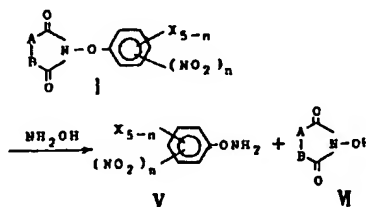
ably -10W+80°C.

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(57) Abstract:

PURPOSE: To industrially and advantageously obtain the titled compound useful for synthesizing medicines and agricultural chemicals in high yield, by reacting an N-aryloxyimide derivative with hydroxylamine.

CONSTITUTION: An N-aryloxyimide derivative expressed by formula I (n is an integer 1W3; X is H, halogen or alkyl; -A-B- is formula IIWIV; R¹ is Cl or alkyl; R²WR⁵ are H, alkyl, alkenyl, etc.) is reacted with hydroxylamine to afford a nitrophenoxamine expressed by formula V. This method is industrially advantageous since not only the aimed compound expressed by formula V is obtained in high yield by simple operation in a few steps but also N- hydroxyimides, expressed by formula VI and formed as a by-product can be readily led to the compound expressed by formula I for reuse. The reaction temperature is normally -40W+150°C, prefer-



II



III



IV